

Program Notice

FGIS-PN-00-3

2/29/00

DARK ROAST ANALYSIS FOR CONFECTIONARY SUNFLOWER SEED

1. PURPOSE

This notice transmits procedures for determining and reporting dark roast results in confectionary sunflower seeds when requested by the applicant.

2. BACKGROUND

Dark roast is a dark discoloration that appears on confectionary seeds after roasting. Since dark roast has a detrimental effect on the use of the seed, a need to develop a standardized test was expressed by the industry. Consequently, the Federal Grain Inspection Service will certify dark roast in confectionary seeds in order to facilitate marketing.

3. DEFINITION

Dark Roast. Sunflower meats and pieces of sunflower meats with $\frac{1}{2}$ of the surface area discolored equal to or greater than the intensity shown on the interpretive line slide (ILS SS 1.0) after roasting.

4. POLICY

Dark roast certification for confectionary seeds is available upon request. Dark roast is determined as a separate factor. The determination for export cargoes is available on a subplot or a composite sample basis.

5. PROCEDURES

- a. Basis of Determination. Size approximately 75 grams of sample over a 16/64 round-hole sieve. Dehull the seed using an approved method. Sieve dehulled sunflower meats over a 5/64 triangular sieve, then remove all material other than sunflower meats including pieces of hulls adhered to the sunflower meats. Divide the dehulled sunflower meats to obtain a work portion of approximately 25 grams (+/- 1.5 grams).

b. Determine Dark Roast.

- STEP 1** Preheat and stabilize oil to 350 degrees F. (+/-5 degrees).
- STEP 2** Place the sunflower meats in a metal strainer and submerge in the oil for one minute (60 seconds), remove from oil and allow seeds to drain for approximately 15 seconds.
- STEP 3** Place the roasted meats on a paper towel and blot dry for 2 minutes.
- STEP 4** Weigh the portion and record the weight on the work record.
- STEP 5** Remove meats and pieces of meats in which $\frac{1}{2}$ of the surface area has discolored equal to or greater than the intensity shown on ILS SS 1.0.

c. Certification. Record the percentage of dark roast on the work record and the certificate to the nearest tenth percent.

6. QUESTIONS

Please direct any technical questions regarding this policy to the Standards and Procedures Branch at (202) 720-0252.

/S/ DO – 2-25-00

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